

Progress Report Regional Express Program



I-90 Stage 2 Opened for Service in 2012

December 2012 o

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Program Summary

Scope: The Regional Express program consists of 45 capital projects including design and construction of direct-access ramps to the existing freeway HOV system, park-and-ride lots, HOV improvements to arterials, transit centers, and freeway in-line transit stations. Freeway improvements are being implemented through a partnership between Sound Transit and the Washington State Department of Transportation (WSDOT).

Program Budget (2013): \$491 million*

* In prior Progress Reports, the Regional Express Program Budget was reported as \$777 million. The program budget has been updated to reflect the adopted 2013 budget; during the budgeting cycle a number of Regional Express projects were formally closed (See Program Cost Summary). In addition, budgets associated with on-going vegetation/wetland monitoring and maintenance were transferred out of the program and are being managed under the Agency's Environmental program. Budgets for these projects/activities are no longer being reported in the program budget or cost summaries.

Schedule: The program is approximately 85% complete.

In Service: 17 HOV and Direct Access projects

- 13 Transit Center projects
- 7 Park-and-Ride project
- 4 Freeway Station projects

Program Overview

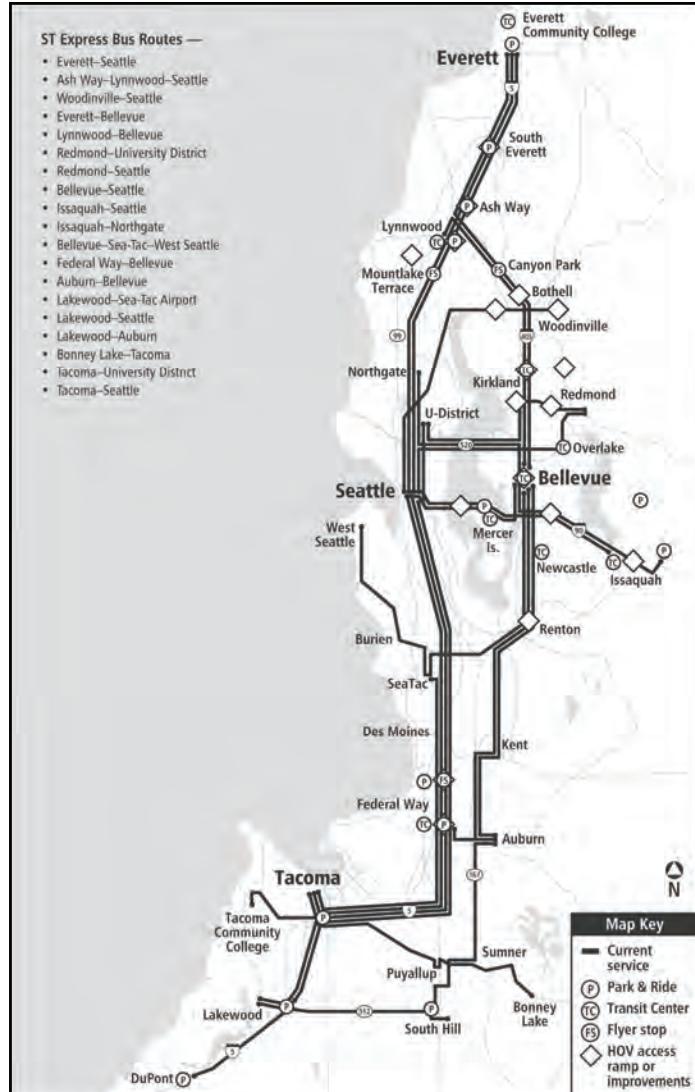
East King County: Projects include 16 HOV and direct access projects, 7 transit centers, 3 park-and-ride lots, and 2 freeway station projects. There are 25 Regional Express projects in service in East King County. Three projects (85th Corridor – Kirkland, Rainier Avenue Arterial Improvements and Strander Blvd. Extension) are currently in construction. The remaining project, I-90 Two-Way Transit and HOV Operations, Stage 3, is in design.

Pierce County: Projects include 1 transit center and 2 park-and-ride lots. These projects are in service.

Snohomish County: Projects include 4 HOV and direct-access projects, 2 transit centers, 1 park-and-ride lot, and 2 freeway station projects. All Regional Express projects in Snohomish County have been completed.

South King County: Projects include 1 HOV and direct-access project, 2 transit centers and 1 park-and-ride lot. All Regional Express projects in South King County have been completed.

System Wide: With the passage of ST2, voters approved the development of bus maintenance facilities to support the ST Express bus program. Studies to define the number and location of required facilities as well as facility elements are presently underway.



Regional Express Service Map

Key Program Issues

- Design elements of the I-90 Two-Way Transit and HOV Operations Stage 3 project continue to be refined; baselining the project scope, schedule and budget has been deferred until additional design elements relating to tunnel fire and life safety are defined. It is anticipated that the project will be baselined in the 2nd Q of 2013.
- Construction continues on the 85th Corridor – Kirkland, Rainier Avenue Arterial Improvements and Strander Blvd. Extension projects during this reporting period. These projects are being led by local jurisdictions; Sound Transit's financial contribution to these projects is capped.

Program Cost Summary

Program cost information by project phase is summarized below. Lifetime budgets reflect the Adopted 2013 phase level budgets; for ST2 projects, the lifetime budget includes funding only for project phases that have been approved by the Board of Directors. For example, the ST Express Bus Base project is funded only through preliminary engineering; approval for final design and construction budgets will be requested upon completion of preliminary engineering and refinement of cost estimates. In addition, for contracts not yet awarded or in the early stages of execution, cost forecasts assume that the full contingency assigned to a given contract (i.e., allocated contingency) will be expended.

Unallocated contingency is reported as a positive variance. This contingency represents an allowance for changes that may be encountered during project execution.

(Table figures in thousands. Variances are due to rounding.)

Phase	Lifetime Budget	Commitment to Date	Paid to Date	Lifetime Budget vs. EFC
Agency Administration	\$28,109	\$23,569	\$23,708	\$0
Pre Engineering / Env Review	\$38,691	\$34,699	\$34,554	\$0
Final Design & Specs	\$54,583	\$47,512	\$32,413	\$0
Third Party Agreements	\$14,730	\$14,730	\$14,730	\$0
ROW Acquisition & Permits	\$17,580	\$17,375	\$17,037	\$0
Construction	\$274,657	\$274,028	\$258,608	\$0
Construction Management	\$0	\$0	\$0	\$0
Vehicles	\$0	\$0	\$0	\$0
Start-up & Testing	\$0	\$0	\$0	\$0
Contingency	\$37,090	\$0	\$0	\$0
CIP Project Total	\$465,441	\$411,913	\$381,050	\$0
Program Reserve	\$77,284	\$0	\$0	\$0
CIP Program Total	\$542,724	\$411,913	\$381,050	\$0

Significant variances compared to prior reporting period.

Budget Changes:

The following projects have been completed/closed and are no longer being reported in the program budget.

Project	Budget \$ Thousands
Snohomish County	
Ash Way Park-and-Ride	\$ 1,114
Pacific Avenue Overpass	\$ 16,222
Lynnwood SR-99 Transit Lanes	\$ 2,546
Lynnwood Transit Center/46th Ave W	\$ 30,085
Lynnwood HOV Access/46th Ave W	\$ 25,677
North Everett Transit Center/Everett Comm College	\$ 1,641
South Everett Transit Center	\$ 31
East Everett Park-and-Ride	\$ 86
Swamp Creek Park-and-Ride	\$ 303
Funds for Other Projects	\$ 31

Completed/closed projects continued

Project	Budget \$ Thousands
<i>South King County</i>	
Redondo Heights Park-and-Ride	\$ 2,484
Star Lake Freeway Station/S 272nd	\$ 3,094
I-405 at Southcenter	\$ 55
Other Park-and-Ride Expansion	\$ 10
<i>East King County</i>	
Bellevue Transit Center/NE 6th	\$ 15,453
Overlake Transit Center/NE 40th	\$ 10,939
I-90 @ Sunset Interchange	\$ 9,184
SR-900 Park-and-Ride Arterial Improvements	\$ 7,118
Bellevue HOV Access	\$ 70,896
Woodinville Arterial HOV Enhancements	\$ 1,410
Sammamish Park-and-Ride/228th SE	\$ 6,970
Issaquah Highlands Park-and-Ride/Highlands Dr	\$ 7,181
Bellevue Rider Services Building	\$ 2,760
Eastgate HOV Access/142nd SE	\$ 29,574
Yarrow Point Stop Improvements	\$ 108
SR-522 HOV Enhancements Kenmore	\$ 8,770
Redmond Way, Redmond	\$ 1,979
Redmond Transit Center	\$ 6,557
Bothell Branch Campus Access Improvements	\$ 2,160
<i>Pierce County</i>	
Tacoma Dome Station (Phase II)	\$ 10,805
South Hill Park-and-Ride/94th Ave E	\$ 5,625
DuPont Station/Wilmington Dr	\$ 4,314

In addition, with the development of the 2013 Budget, the following changes were also made to the Regional Express Program Budget:

Project	Reason	Explanation	Change
S. Everett Freeway Station	Transfer	Move to the new environmental mitigation monitoring and maintenance project.	(\$13)
S. Everett Freeway Station*	Defunded	Project completed preparing for closeout	(\$116)
I-90 Two Way Transit and HOV Ops Stage 1	Transfer	Move to the new environmental mitigation monitoring and maintenance project.	(\$10)
I-90 Two Way Transit and HOV Ops Stage 1***	Transfer	Project in service preparing for closeout.	(\$1,446)
I-90 Two Way Transit and HOV Ops Stage 2***	Transfer	Project in service preparing for closeout.	(\$9,390)
Ash Way Transit Access/164th SW	Transfer	Move to the new environmental mitigation monitoring and maintenance project.	(\$74)
Ash Way Transit Access/164 th SW*	Defunded	Project in service preparing for closeout.	(\$229)
Federal Way HOV Access/S 317th**	Defunded	Project in service preparing for closeout.	(\$5)
Canyon Park Freeway Station***	Transfer	Project in service preparing for closeout.	(\$1 2)
Issaquah Transit Center	Transfer	Move to the new environmental mitigation monitoring and maintenance project.	(\$38)
Totem Lake Freeway Station	Transfer	Move to the new environmental mitigation monitoring and maintenance project.	(\$35)
Totem Lake Transit Center ***	Transfer	Project in service preparing for closeout.	(\$9)
Newcastle Transit Improvements***	Transfer	Project in service preparing for closeout.	(\$12)
Mercer Island Park & Ride***	Transfer	Project in service preparing for closeout.	(\$0.6)
SR 522 HOV Enhancements/ Bothell***	Transfer	Project in service preparing for closeout.	(\$293)
Burien Transit Center Parking Expansion**	Defunded	Project in service preparing for closeout.	(\$443)
East King County Program Reserve	Transfer	Savings from completed projects.	\$11,161

* These projects were completed for less than was budgeted. The remaining budget was defunded from the Regional Express program for Snohomish County.

** These projects were completed for less than was budgeted. The remaining budget was defunded from the Regional Express program for South King County.

*** These projects were completed for less than was budgeted. The remaining budget was transferred to the East King County Program Reserve

Paid to Date Variances

Paid to date increased \$850 thousand from the previous quarter reflecting progress payments to WSDOT for the I-90 Two Way Transit and HOV Operations Stage 2 project.

New Contract Awards

No new major contracts were awarded during this reporting period.

Construction Safety

No accidents or incidents were reported during the 4th Quarter 2012.

Capped Contribution Projects

Sound Transit has made capped contributions to projects managed by other agencies. On-going capped contribution projects are shown in the table. Contributions are managed on a project phase basis.

Capped Contribution Projects	Scheduled Completion	Capped Contribution
85 th Corridor/Kirkland	4th Q 2013	\$3.7M
Rainier Ave. Arterial Improvements	1st Q 2014	\$14.9M
Strander Blvd. Extension	2nd Q 2014	\$4M

Third-Party Agreements

No third-party agreements were reported during the 4th Quarter 2012.

Quality Assurance

There is no quality audits/surveillances or quality reporting activities during the 4th Quarter 2012.

Description	3 rd QTR 2012	Notes
Audits/Surveillances Performed	0 Audits 0 Surveillances	None
Audits/Surveillances Reports issued	0 Reports	None
Reports in Progress	0 Reports	None

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Projects at a Glance

Active Projects						
Project	Project Phase	Lifetime Adopted 2013	Risk Assessment			Notes
			Scope	Schedule	Budget	
East King County Projects						\$s in 000
I-90 Two-Way Transit and HOV Operations (Stage 3)	FD	\$64,222	H	H	H	SCOPE, SCHEDULE & BUDGET: This project provides a new HOV lane in the east- and westbound outer roadway of I-90 between 80th Ave SE on Mercer Island and Rainier Ave in Seattle. WSDOT is proceeding with design efforts and refinement of cost estimates. Design requirements have presented schedule and budget risks. The project will likely be completed by early to mid 2015 to maintain the East Link schedule.
85th Corridor/Kirkland	CON	\$6,015	L	M	L	Capped Contribution: City of Kirkland is the lead on this project.
Rainier Ave Arterial Improvements	CON	\$15,717	L	L	L	Capped Contribution: City of Renton is lead agency.
Strander Boulevard Extension	CON	\$4,219	L	L	L	Capped Contribution: City of Renton is lead agency.
<i>East King County Program Reserve</i>		\$26,360				
Total		\$116,533				
System-Wide						
\$s in 000						
ST Express Bus Base	PE/ED	\$5,469	L	M	M	SCHEDULE and BUDGET: Uncertainties exist in siting, design, environmental, third party and jurisdictional requirements that present budget and schedule risks.
<i>Lifetime Budget to be determined after PE/ED.</i>						
ST Express Midday Bus Storage	PE/ED	\$0.8	L	L	L	This project replaces existing temporary bus storage at the Link OMF.
Total		\$5,470				

Projects at a Glance (continued)

Key		
Risk Assessment	Phases	
L = Low Risk	CONC	Conceptual Design
M = Medium Risk	PE/ED	Preliminary Engineering / Environmental Documentation
H = High Risk	FD	Final Design
	CON	Construction

Completed / Closed Projects

Project	Start of Service
<i>Snohomish County Completed Projects</i>	
Ash Way Park-and-Ride	1999
Pacific Avenue Overpass	2001
Lynnwood SR-99 Transit Lanes	2003
Lynnwood Transit Center/46th Ave W	2004
Lynnwood HOV Access/46th Ave W	2004
Ash Way Transit Access/164th SW	2005 Mitigation monitoring is scheduled to be complete in 2012.
South Everett Freeway Station/112th SE	2008 Mitigation monitoring is scheduled to be complete in early 2013.
North Everett Transit Center/Everett Comm College	2008
Mountlake Terrace Freeway Station/236th SW	2011
South Everett Transit Center	Closed
East Everett Park-and-Ride	Closed
Swamp Creek Park-and-Ride	Closed
Funds for Other Projects	Closed
<i>South King County Completed Projects</i>	
Redondo Heights Park-and-Ride	2005
Federal Way HOV Access/S 317th	2006 Mitigation monitoring is scheduled to be complete in 2013.
Federal Way Transit Center/S 317th	2006 Mitigation monitoring is scheduled to be complete in 2012.
Burien Transit Center Parking Expansion	2011
Star Lake Freeway Station/S 272nd	Closed
I-405 at Southcenter	Closed
Other Park-and-Ride Expansion	Closed
<i>East King County Completed Projects</i>	
Bellevue Transit Center/NE 6th	2003
Overlake Transit Center/NE 40th	2002
I-90 @ Sunset Interchange	2003
SR-900 Park-and-Ride Arterial Improvements	2004
Bellevue HOV Access	2004
Woodinville Arterial HOV Enhancements	2005
Sammamish Park-and-Ride/228th SE	2006
Issaquah Highlands Park-and-Ride/Highlands Dr	2006
Bellevue Rider Services Building	2006
Eastgate HOV Access/142nd SE	2006
Totem Lake Freeway Station/NE 128th	2008 Mitigation monitoring is scheduled to be complete in 2012.
Yarrow Point Stop Improvements	2006
Canyon Park Freeway Station/I-405	2007
Mercer Island Park-and-Ride/N Mercer Way	2008
I-90 Two-Way Transit and HOV Operations (Stage 1)	2008 Mitigation monitoring is scheduled to be complete in 2012.
I-90 Two-Way Transit and HOV Operations (Stage 2)	2012

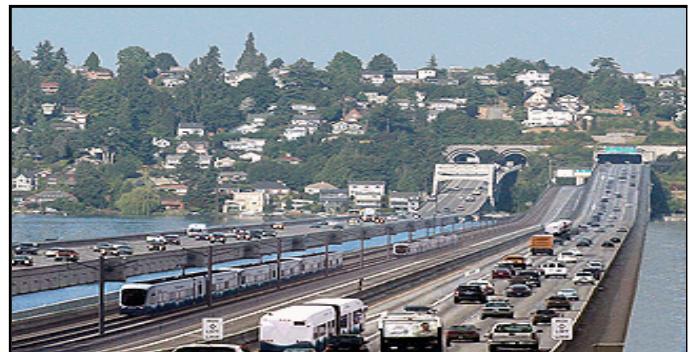
Projects at a Glance (continued)

<i>Completed / Closed Projects</i>	
Project	Start of Service
<i>East King County Completed Projects (cont'd)</i>	
Issaquah Transit Center/SR-900	2008 Mitigation monitoring is scheduled to be complete in 2013.
Bothell Branch Campus Access	2008
SR-522 HOV Enhancements Kenmore	2009
SR-522 HOV Enhancements Bothell	2012
Redmond Way, Redmond	2008
Kirkland Transit Center/3rd Street	2011
Redmond Transit Center	2008
Newcastle Transit Improvements	2010
Renton HOV Access/N 8th	Suspended
Woodinville TOD	Closed
<i>Pierce County Completed Projects</i>	
Tacoma Dome Station (Phase II)	2002
South Hill Park-and-Ride/94th Ave E	2001
DuPont Station/Wilmington Dr	2003
SR-512 Park-and-Ride Expansion	Closed

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Scope Overview

Preliminary design of Stage 3 of the I-90 Two-Way Transit and High Occupancy Vehicle (HOV) Operations has been completed. Stage 3 provides for two-way transit and HOV operations eastbound and westbound on I-90 between 80th Avenue SE on Mercer Island and Rainier Avenue/I-5 in Seattle. In addition, as part of this project, screening will be installed on the shared-use pathway on the bridge. At the end of Stage 3 the existing reversible HOV lanes will be turned over to Sound Transit for construction of the East Link Extension.



Stage 3 will enhance transit on I-90

Schedule	Start	Finish
Prelim Engineering	2004	Jun 2010
Design	Jun 2010	May 2014
Construction	Sep 2014	Sep 2016

Scope/Schedule/Budget Variance

With the completion of 30% design, the cost and schedule for construction are being refined.

Major Contracts (\$s in thousands)

Vendor	Amount	Scope
WSDOT	\$18,040	Final Design

Project Cost (\$s in thousands)

Phase	Lifetime Budget	Commitment to Date	Incurred to Date
Administration	\$3,385	\$446	\$450
Prelim Engineering	\$1,595	\$1,549	\$1,549
Final Design	\$23,000	\$16,400	\$1,339
Third Party Agreements	\$0	\$0	\$0
ROW Acquisition and Permits	\$170	\$0	\$0
Construction	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0
Contingency	\$36,072	\$0	\$0
Project Total	\$64,222	\$18,395	\$3,337

Key Activities

Current Quarter

- Completed 30% design and initiated 60% design.
- Reviewed 30% design of fire and life safety measures with fire department.

Next Quarter

- Continue 60% design effort.
- Refine construction cost estimate and schedule.

Closely Monitored Issues

- Design/construction costs relative to available budget.
- Fire departments' concurrence with fire and life safety elements.
- Schedule coordination with East Link Extension.

Scope Overview

Sound Transit is evaluating the need for an operations and maintenance base for the ST Express bus fleet. Initial project development activities including confirmation of fleet operating assumptions, completion of facilities and site programming evaluations and review of alternative project delivery methods is ongoing.



New bus base(s) to support ST Express through 2023

Schedule	Start	Finish
Prelim Engineering	Feb 2011	Proj. Dev. tasks completed
Design		
Construction		

Scope/Schedule/Budget Variance

None

Phase	Lifetime Budget	Commitment to Date	Incurred to Date
Administration	\$520	\$205	\$205
Prelim Engineering	\$4,748	\$767	\$636
Final Design	\$0	\$0	\$0
Third Party Agreements	\$0	\$0	\$0
ROW Acquisition and Permits	\$201	\$25	\$1
Construction	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0
Contingency	\$0	\$0	\$0
Project Total	\$5,469	\$996	\$842

Major Contracts (\$s in thousands)

Vendor	Amount	Scope
Parsons Brinckerhoff	\$767	PE/ED

Key Activities

Current Quarter

- Assessed the feasibility and affordability of an ST Express Bus Base.

Next Quarter

- Completed feasibility and affordability evaluations of an ST Express Bus Base.

Closely Monitored Issues

- None identified at this time.

Scope Overview

Currently, Sound Transit stores up to 30 forty-five foot buses at the Link Operations and Maintenance Facility (OMF) parking area midday, during periods of non-use. Upon testing and start-up of the University Link Extension (2014-2016) the area used for bus storage will be needed for Link employee parking. Sound Transit is developing plans for and will construct a permanent midday bus storage area on property acquired by Sound Transit during the construction of Central Link.



Providing permanent midday bus storage for ST Express

Schedule	Start	Finish
Prelim Engineering	Mar 2012	Dec 2012
Design	Jan 2013	Sep 2013
Construction	Oct 2013	Jun 2014

Scope/Schedule/Budget Variance

Major Contracts (\$s in thousands)

Vendor	Amount	Scope
Parsons Brinckerhoff	\$227	Design Services

Project Cost (\$s in thousands)

Phase	Lifetime Budget	Commitment to Date	Incurred to Date
Administration	\$97	\$57	\$58
Prelim Engineering	\$240	\$241	\$230
Final Design	\$390	\$0	\$0
Third Party Agreements	\$0	\$0	\$0
ROW Acquisition and Permits	\$50	\$1	\$1
Construction	\$0	\$0	\$0
Construction Services	\$0	\$0	\$0
Contingency	\$0	\$0	\$0
Project Total	\$777	\$298	\$288

Key Activities

Current Quarter

- Completed 30% design drawings and submittals.
- Completed a SEPA checklist.
- Amended design contract to fund final design services.

Closely Monitored Issues

- None identified at this time.

Next Quarter

- Initiate final design and permitting.

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